Document Details			
Version Number	**Last Updated**	**Developed/Edited By**	**Validation Date**
3.0	23/02/2016	Stewart Godwin	Not required Yet
Training Package / Accredited Course: ICT Information and Communications Technology			
Qualification Title: ICA50715 AWF2 Certificate IV in Programming			
Assessment Title: AT2 – Project			
Brief Description of Assessment Task			
The analysis, design, coding, testing and project documentation of a C#.NET application			

Units of competency, elements to be assessed:

National Code	SIN	Competency Title	Elements of Competency
ICTPRG414	AUV79	Apply introductory programming skills in another language	1.Apply basic language syntax and layout 2.Code using data structures 3.Code using standard algorithms 4.Debug code 5.Document activities 6.Test code
ICTPRG405	AUV52	Automate processes	1.Develop algorithms to represent solution to a given problem 2.Describe structures of algorithms 3.Design and write script or code 4.Verify and review script or code 5.Document script or code

Date of Assessment		**Completed by**	
Instructions to Students	The analysis, design, coding, testing and project documentation of a C#.NET application as described on the following page.		
Resources Required	Reference books / Internet / eCampus / Visual Studio 2015/ MS Project		

Lecturer's Details

Name: Stewart Godwin

Email: Stewart.Godwin@polytechnic.wa.edu.au

Location: Polytechnic West – Thornlie Campus

Students to sign this document when submitting an assessment

Date Submitted:	

STUDENT DECLARATION

- I have read and understand the details of the assessment.
- I have been informed of the conditions of the assessment and the appeals process.
- I agree to participate in this assessment.
- I certify that the attached is my own work.

Student ID	Student Name	Student Signature

Assessment Feedback (Lecturer and Student Copy)			
Assessment Title:	AT2 – Project		
Candidate name:		**Attempt No:**	1
Assessor name:	Stewart Godwin		
Performance demonstrated by this assessment is:	Satisfactory ❑	Not Yet Satisfactory ❑	
	Assessment outcome and feedback received on:	Date	

Assessor Comments:

Candidate signature: *(once feedback has been received)*		**Date:**	
Assessor signature: *(once feedback has been provided)*		**Date:**	

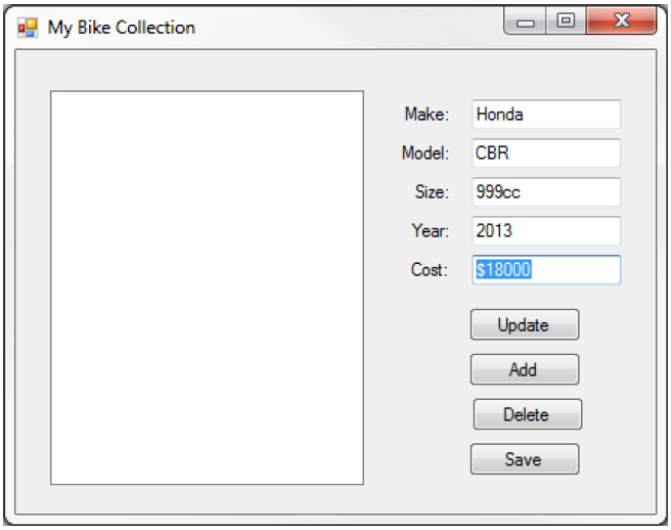
Instructions

Introduction

Analyse, design, code, test and project documentation of a C#.NET application as follows.

Design

A program is required which will allow a person to keep track of their Classic Bike collection. The information implied by the following graphic needs to be read into Array/List from a file (XML) when the program runs. The layout of the application should be as follows,



The process is as follows:

- The program loads the bike information from a file called bikes.xml when the program starts into an appropriate array/list structure.
- The make, model and size is loaded into the list box which is sorted alphabetically (using Model field)
- When a model is selected from the listbox on the left, the details are displayed in the fields on the right
- To edit an entry, select an entry from the list box, change the values in the fields and click the update button
- To add an entry change the values in the fields and click the add button
- To delete a record, select an entry from the list box and click delete
- All data should be written back to the bikes.xml file when the form closes
- The save button also allows the user to save all of the data back to the bikes.xml file
- Each of the controls should have tool tip text attached

Report

A report is also required which has 6 sections. Save in pdf format

- Introduction
  - A simple explanation of what the program is required to do
- Analysis: a statement of
  - What data items need to be in-putted
  - What processes need to be performed
  - What output is required
- Design
  - Pseudocode for each of the code methods
- Test Data
  - The data and activities that will be used to test the design. Include the text of the data file.
- Code
  - Documentation of the code comments using the XML feature in Visual Studio.
- Testing Evidence
  - Screenshots of the program functioning using the test data previously stated

User Guide

Write a 2 page user guide and save in pdf format. The user guide should explain the usage of the application and each of the controls. The user guide must have a screen shot of your working program with suitable callouts explaining all the major user features.

Submission

Following is a checklist to help you check whether you have completed all requirements. Submit each as a separate file

Item	Checklist
Zipped solution folder	☐
Report	☐
User Guide	☐

END OF ASSESSMENT AT2